

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A wireless communication system, comprising:

a first wireless communication unit including first wireless communication means configured to perform wireless data communication, first wired communication means configured to perform, using a wired connection, a wired data communication with no wireless data communication, said wired data communication being for transmitting information that is necessary when establishing a wireless link for performing said wireless data communication, before establishing said wireless link, and first change-over means configured to change over whether said wireless data communication should be performed using said first wireless communication means or said wired data communication should be performed using said first wired communication means; and

a second wireless communication unit including second wireless communication means configured to perform said wireless data communication with said first wireless communication means, second wired communication means configured to perform, using said wired connection, a wired data communication with no wireless data communication, said wired data communication being for receiving said transmitted information, with said first wired communication means, before establishing said wireless link, and second change-over means configured to change over whether said wireless data communication should be performed using said second wireless communication means or said wired data communication should be performed using said second wired communication means,

wherein said first wireless communication unit further includes first wired connection detecting means configured to detect whether or not said wired connection is being performed between said first wired communication means and said second wired communication means,

when said first wired connection detecting means detects that said wired connection is being performed, said first change-over means changes over so that said wired data communication is performed, and using the wired connection detected by said first detecting means, gives a change-over instruction to said second change-over means to change over so that said wired data communication is performed, and

said second change-over means changes over, based on the change-over instruction given by said first change-over means, so that said wired data communication is performed.

2. (Cancelled).

3. (Currently Amended) The wireless communication system according to ~~claim 2~~claim 1, wherein said first wireless communication unit further includes a first signal level adjusting means configured to adjust, when said first wired connection detecting means detects that said wired connection is being performed, a signal level so that said wired data communication is performed using a signal level smaller than the signal level necessary for said wireless data communication.

4. (Currently Amended) A wireless communication unit comprising:

first wireless communication means configured to perform wireless data communication;

first wired communication means configured to perform, using a wired connection, a wired data communication with no wireless data communication, said wired data communication being for transmitting information that is necessary when establishing a wireless link for performing said wireless data communication, before establishing said wireless link; and

first change-over means configured to change over whether said wireless data communication should be performed using said first wireless communication means or said wired data communication should be performed using said first wired communication means; and

first wired connection detecting means configured to detect whether or not said wired connection is being performed, between said first wired communication means and second wired communication means configured to perform said wired data communication with said first wired communication means using said wired connection,

wherein, when said first wired connection detecting means detects said wired connection is being performed, said first change-over means changes over so that said wired data communication is performed, and using the wired connection detected by said first wired connection detecting means, gives a change-over instruction to second change-over means configured to change over whether said wireless data communication should be performed using second wireless communication means configured to perform said wireless data communication with said first wireless communication means or said wired data communication should be performed using said second wired communication means, to change over so that said wired data communication is performed.

5. (Cancelled).

6. (Currently Amended) A wireless communication unit comprising:

second wireless communication means configured to perform, with first wireless communication means configured to perform wireless data communication, said wireless data communication;

second wired communication means configured to perform, using a wired connection, a wired data communication with no wireless data communication, said wired data communication being for receiving information that is necessary when establishing a wireless link for performing said wireless data communication and has been transmitted by a first wired communication means configured to perform said wired data communication to establish said wireless link using said wired connection, with said first wired communication means, before establishing said wireless link; and

second change-over means configured to change over whether said wireless data communication should be performed using said second wireless communication

means or said wired data communication should be performed using said second wired communication means,

wherein, when first wired connection detecting means, which is configured to detect whether or not said wired connection is being performed between said first wired communication means and said second wired communication means, detects that said wired connection is being performed, first change-over means, which is configured to change over whether said wireless data communication should be performed using said first wireless communication means or said wired data communication should be performed using said first wired communication means, changes over so that said wired data communication is performed using said first wired communication means, and using said detected wired connection, gives a change-over instruction to said second change-over means to change over so that said wired data communication is performed, and

said second change-over means changes over, based on the change-over instruction given by said first change-over means, so that said wired data communication is performed.

7. (Cancelled).

8. (Currently Amended) A wireless communication method comprising:

a first wireless communication step of performing, using first wireless communication means configured to perform wireless data communication, wireless data communication;

a first wired communication step of performing a wired data communication, using first wired communication means configured to perform, using a wired connection, a wired data communication with no wireless data communication, said wired data communication being for transmitting information that is necessary when establishing a wireless link for performing said wireless data communication, before establishing said wireless link;

a first change-over step of changing over, using first change-over means configured to change over whether said wireless data communication should be

performed using said first wireless communication means or said wired data communication should be performed using said first wired communication means;

a second wireless communication step of performing, using second wireless communication means configured to perform said wireless data communication with said first wireless communication means, wireless data communication;

a second wired communication step of performing a wired data communication, using second wired communication means configured to perform, using said wired connection, a wired data communication with no wireless data communication, said wired data communication being for receiving said transmitted information, with said first wired communication means, before establishing said wireless link; and

a second change-over step of changing over, using second change-over means configured to change over whether said wireless data communication should be performed using said second wireless communication means or said wired data communication should be performed using said second wired communication means,

wherein, when first wired connection detecting means, which is configured to detect whether or not said wired connection is being performed between said first wired communication means and said second wired communication means, detects that said wired connection is being performed, first change-over step, using said first change-over means, changes over so that said wired data communication is performed, and using the wired communication detected by said first detecting means, gives a change-over instruction to said second change-over means to change over so that said wired data communication is performed, and

said second change-over step, using said second change-over means, changes over, based on the change-over instruction given by said first change-over means, so that said wired data communication is performed.

9. (Currently Amended) A wireless communication method comprising:

a wireless communication step of performing, using first wireless communication means configured to perform wireless data communication, wireless data communication;

a wired communication step of performing a wired data communication, using first wired communication means configured to perform, using said wired connection, a wired data communication with no wireless data communication, said wired data communication being for transmitting information that is necessary when establishing a wireless link for performing said wireless data communication, before establishing said wireless link; and

a change-over step of changing over, using first change-over means, configured to change over whether said wireless data communication should be performed using said first wireless communication means or said wired data communication should be performed using said first wired communication means,

wherein, when first wired connection detecting means, which is configured to detect whether or not said wired connection is being performed between said first wired communication means and second wired communication means configured to perform said wired data communication with said first wired communication means, using said wired connection, detects said wired connection is being performed, said change-over step, using said first change-over means, changes over so that said wired data communication is performed, and using the wired connection detected by said first wired connection detecting means, gives a change-over instruction to second change-over means configured to change over whether said wireless data communication should be performed using second wireless communication means configured to perform said wireless data communication with said first wireless communication means or said wired data communication should be performed using said second wired communication means, to change over so that said wired data communication is performed.

10. (Currently Amended) A wireless communication method, comprising:

a wireless communication step of performing wireless data communication, using second wireless communication means configured to perform, with first wireless communication means configured to perform wireless data communication, said wireless data communication;

a wired communication step of performing wired data communication, using second wired communication means configured to perform, using a wired connection, a wired data communication with no wireless data communication, said wired data communication being for receiving information that is necessary when establishing a wireless link for performing said wireless data communication and has been transmitted by a first wired communication means configured to perform said wired data communication to establish said wireless link using said wired connection, with said first wired communication means, before establishing said wireless link; and

a change-over step of changing over, using second change-over means configured to change over whether said wireless data communication should be performed using said second wireless communication means or said wired data communication should be performed using said second wired communication means,

wherein, when first wired connection detecting means, which is configured to detect whether or not said wired connection is being performed between said first wired communication means and said second wired communication means, detects that said wired connection is being performed, first change-over means, which is configured to change over whether said wireless data communication should be performed using said first wireless communication means or said wired data communication should be performed using said first wired communication means, changes over so that said wired data communication is performed using said first wired communication means, and using said detected wired connection, gives a change-over instruction to said second change-over means to change over so that said wired data communication is performed, and

said change-over step, using said second change-over means, changes over, based on the change-over instruction given by said first change-over means, so that said wired data communication is performed.

11. (Currently Amended) A tangible computer readable recording medium including software ~~that is adapted to~~ control a computer to execute the steps of the wireless communication method according to claim 8.

12. (Currently Amended) A tangible computer readable recording medium including software ~~that is adapted to~~ control a computer to execute the steps of the wireless communication method according to claim 9.

13. (Currently Amended) A tangible computer readable recording medium including software ~~that is adapted to~~ control a computer to execute the steps of the wireless communication method according to claim 10.

14. (Cancelled).

15. (Previously Presented) A wireless communication unit comprising:

first wireless communication means configured to perform wireless data communication;

first wired communication means configured to perform, using a wired connection, a wired data communication with no wireless data communication, said wired data communication being for transmitting or receiving information that is necessary when establishing a wireless link for performing said wireless data communication, before establishing said wireless link,

first change-over means configured to change over whether said wireless data communication should be performed using said first wireless communication means or said wired data communication should be performed using said first wired communication means; and

first wired connection detecting means configured to detect whether or not said wired connection is being performed between said first wired communication means and second wired communication means configured to perform said wired data communication with said first wired communication means using said wired connection,

wherein, (1) when said first wired connection detecting means detects said wired connection is being performed, said first change-over means changes over so that said wired data communication is performed, and using said wired connection detected by said first wired connection detecting means, gives a change-over

instruction to second change-over means, which is configured to change over whether said wireless data communication should be performed using second wireless communication means configured to perform said wireless data communication with said first wireless communication means or said wired data communication should be performed using said second wired communication means, to change over so that said wired data communication is performed, (2) when third wired connection detecting means, which is configured to detect whether or not said wired connection is being performed between said first wired communication means and third wired communication means configured to perform wired data communication with said first wired communication means using a wired connection, detects that said wired connection is being performed, third change-over means, which is configured to change over whether said wireless data communication should be performed using third wireless communication means configured to perform said wireless data communication with said first wireless communication means or said wired data communication should be performed using said third wired communication means, changes over so that said wired data communication is performed using said third wired communication means, and using said detected wired connection, gives a change-over instruction to said first change-over means, to change over so that said wired data communication is performed, and said first change-over means changes over, based on the change-over instruction given by said third change-over means, so that said wired data communication is performed.